QC ABSTRACT

NAME OF WORK: "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
6	Block(400*200*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
7	Block(400*100*200)	BLOCK DENSITY	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		DIMENSION ANALYSIS	One Test		1	1
		COMPRESSIVE STRENGTH	One Test		1	1
8	KERB	Core Compressive strength	One Test		1	1
		Corrected Cylinder Compressive strength	One Test		1	1
		Equivalent Cube Compressive strength	One Test		1	1
9	Brick	Compressive Strength	One Test		1	1
		WATER ABSORPTION	One Test		1	1
		EFFLORESCENCE	One Test		1	1
		DIMENSIONS AND TOLERANCES	One Test		1	1
10	RCC(M20)	Compressive Strength(7days and 28days)	1 set /1-5 cum	3.35	2	2
11	PCC(M15)	Compressive Strength(7days and 28days)	3 set /16-30 cum	17.08	6	6

AE-1
A.E.E

12	RCC(M25)	Compressive Strength(7days and 28days)	4 set /31-50 cum	42.91	8	8
13	RCC(M25)	Compressive Strength(7days and 28days)	3 set /16-30 cum	20.27	6	6
14	Cement Concrete Pavement (M30)	Compressive Strength(7days and 28days)	9 set /251-300 cum	288.21	8	8
15	RCC(M15)	Compressive Strength(7days and 28days)	1 set	-	2	2
16	RCC(M15)	Compressive Strength(7days and 28days)	1 set	-	2	2
17	GSB	SIEVE ANALYSIS	One Test		1	1
18	CERAMIC TILES AE-1	MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS	One Test		1	1
		MODULUS OF RUPTURE AND BREAKING STRENGTH	One Test		1	1
19	Premix Carpet A.E.E	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Water Absorption	One Test		1	1
		Marshal Stability	One Test		1	1
		Marshal flow	One Test		1	1
		Percent air Voids	One Test		1	1
		Percent Voids in mineral Aggregate	One Test		1	1
		Percent Voids filled with Bitumen	One Test		1	1
		Density	One Test		1	1
		Stripping Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
20	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
21	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2021-07-14-10**	**Date: 19-01-21**
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."	
Agency	:	Sri.H.V Onkarappa, No.02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.	
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21	
Date of Receipt	:	21-12-20	
Sample Type	:	Birla Super 53grade	
Reference to BIS codes	:	IS 12269 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6	
Date of test	:	22-12-20	
Environmental Conditions during test	:	Temperature: Humidity:	26°C 72%

AE-1

A.E.E

Compressive Strength			
Sl.No.	**Physical properties**	**Results**	**Requirement as per IS 12269: 2013**
1	3 Days	28.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	58.5N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

K KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	CP-2021-07-14-10 Date: 23-12-20
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
Date of Receipt	:	21-12-20
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	21-12-20

AE-1 A.E.E

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	237	237	4.7	95.3	90-100
3	10 mm	2544	2781	55.6	44.4	25-55
4	4.75 mm	2107	4888	97.8	2.2	0-10
5	Pan	112	5000	100	0	–

CIVIL Pro Sig ..... Date ..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2021-07-14-10 Date: 23-12-20

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.5	–
2	Specific Gravity	2.59	–
3	Material finer than 75 micron(%)	6.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

AE-1

The results obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT ON PHYSICAL REQUIREMENTS OF SOLID CONCRETE BLOCKS

Lab ID	:	CP-2021-07-14-10 Date: 31-12-20
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK D/EPMT-3/W O/189/2020-21
Date of Receipt	:	28-12-20
Sample Type/Size	:	Solid concrete blocks size (400X200X200)mm
Reference to BIS codes	:	IS 2185 (Part 1) 2005(RA 2010) Concrete Masonry Specification Part 1 Hollow and Solid Concrete Blocks (Dimensions -Annex-B. Clause 9.2 and 10 , Block density Annex -C Clause 9.3 and10. Compressive strength Annex -D Clause 9.4 and 10, Water absorption Annex -E Clause 9.5 and 10)
Date of test	:	28-12-20

BLOCK DENSITY:

Sl. No.	Measurement of Overall Dimensions of Individual Blocks			Overall Volume of the Block in Cubic Centimetres	Weight of Oven Dried Block in Kilograms to the nearest 10 Gram	Block Density in Kg/cum*10^5	Avg.Block Density in (Kg/cum)	As per IS 2185(Part 1) :2005 (RA 2010)
	Length	Breadth	Height					
	mm	mm	mm	(Cm^3)	Kg	Kg/m^3	Kg/m^3	
1	401	200	200	16040	33.480	2087.3	2095.8	Not less than 1800Kg/m^3
2	405	200	198	16038	33.985	2119.0		
3	398	203	201	16240	33.798	2081.2		

WATER ABSORPTION:

Sl. No.	Wet weight after water absorption	Dry weight (Oven dry)	Water Absorption	Avg.Water Absorption	As per IS 2185(Part 1):2005 (RA 2010)
	kg	kg	%	%	
1	33.91	32.25	4.89	4.25	Shall not be more than 10% by mass
2	33.57	32.14	4.28		
3	33.44	32.24	3.59		

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Lab ID : CP-2021-07-14-10 Date: 31-12-20

COMPRESSIVE STRENGTH:

Sl No.	Size of solid block		Area	Failure Load	Compressive strength	Average Compressive strength
	Length	Breadth				
	mm	mm	(mm^2)	(KN)	N/mm^2	(N/mm^2)
1	401	102	41099	179	4.4	4.3
2	403	102	40972	173	4.2	
3	403	100	40344	173	4.3	
4	403	101	40721	172	4.2	
5	400	102	40961	179	4.4	
6	402	101	40768	177	4.3	
7	403	103	41485	177	4.3	
8	404	99	40011	178	4.5	

As per IS Requirements (Table 2, Clause 5.1, 5.2 and 9.4)

Compressive strength		
Grade	Minimum average	Minimum Individual units.
C (5.0)	5.00 N/mm^2	4.00 N/mm^2
C (4.0)	4.00 N/mm^2	3.20 N/mm^2

* The results obtained are satisfactory as per standard requirements.

AE-1
A.E.E

AE

CIVIL Pro Sig Date BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID : CP-2021-07-14-10 **Date: 06/02/2021**

ect Name : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

ncy : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

tomer's Reference : BBMP/EE/YNK.D/EPMT-3/W O/189/2020-21

of Receipt : 01-02-21

tomer ID : Compound Wall Coping Concrete

ple Type /Size : 150X150X150 mm

ple grade/Age : M20 / 7 Days Compressive Strength

rence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

of test : 06/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Compound Wall Coping Concrete	M20	30/01/2021	06/02/2021	149.32 X 151.70 X 150.04	22653	8.419	413.8	18.3	18.4
Compound Wall Coping Concrete	M20	30/01/2021	06/02/2021	150.16 X 149.64 X 151.88	22470	8.257	423.5	18.8	
Compound Wall Coping Concrete	M20	30/01/2021	06/02/2021	150.51 X 151.49 X 151.09	22801	8.638	411.4	18.0	

results obtained are satisfactory as per standard requirements.

AE-1
A.E.E

AE

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2021-07-14-10

Date: 27/02/2021

Project Name : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

Agency : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

Customer's Reference : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

Date of Receipt : 27-01-21

Customer ID : PCC For Building Area

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M15 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

Date of test : 27/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC For Building Area	M15	30/01/2021	27/02/2021	149.26 X 150.49 X 149.99	22463	8.922	382.3	17.0	17.5
2	PCC For Building Area	M15	30/01/2021	27/02/2021	151.34 X 149.67 X 151.43	22651	8.548	404.6	17.9	
3	PCC For Building Area	M15	30/01/2021	27/02/2021	150.15 X 150.86 X 149.28	22652	8.565	400.0	17.7	

The results obtained are satisfactory as per standard requirements.

A.E.E

AE

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID	:	CP-2021-07-14-10 **Date: 20/02/2021**
ject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ncy	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
e of Receipt	:	15-02-21
tomer ID	:	GF Column Concrete
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M25 / 7 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
of test	:	20/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
GF Column Concrete	M25	13/02/2021	20/02/2021	149.23 X 149.96 X 150.89	22379	8.671	535.9	23.9	23.2
GF Column Concrete	M25	13/02/2021	20/02/2021	149.38 X 149.94 X 151.45	22398	8.389	509.1	22.7	
GF Column Concrete	M25	13/02/2021	20/02/2021	149.76 X 150.58 X 151.67	22551	8.653	515.2	22.8	

esults obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

b ID : CP-2021-07-14-10 Date: 02/04/2021

oject Name : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

gency : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

stomer's Reference : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

te of Receipt : 08-03-21

stomer ID : GF Roof Concrete

mple Type /Size : 150X150X150 mm

mple grade/Age : M25 / 28 Days Compressive Strength

ference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5

te of test : 02/04/2021

L. e.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	GF Roof Concrete	M25	05/03/2021	02/04/2021	149.57 X 150.93 X 149.87	22575	8.350	619.6	27.4	27.4
	GF Roof Concrete	M25	05/03/2021	02/04/2021	150.40 X 150.79 X 149.65	22678	8.499	602.9	26.6	
	GF Roof Concrete	M25	05/03/2021	02/04/2021	151.02 X 151.02 X 149.65	22806	8.718	644.1	28.2	

he results obtained are satisfactory as per standard requirements.

AE-1

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

ID : CP-2021-07-14-10 Date: 19/04/2021

ect Name : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

ncy : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

tomer's Reference : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

e of Receipt : 24-03-21

tomer ID : FF Lintel Concrete

ple Type /Size : 150X150X150 mm

ple grade/Age : M25 / 28 Days Compressive Strength

erence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

e of test : 19/04/2021

	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
	FF Lintel Concrete	M25	22/03/2021	19/04/2021	151.09 X 150.18 X 150.56	22691	8.350	632.0	27.9	27.6
	FF Lintel Concrete	M25	22/03/2021	19/04/2021	150.24 X 150.48 X 149.36	22608	8.499	595.1	26.3	
	FF Lintel Concrete	M25	22/03/2021	19/04/2021	150.68 X 151.68 X 151.88	22855	8.718	653.8	28.6	

e results obtained are satisfactory as per standard requirements.

AE-1

A.E.E

AE

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

ab ID	:	CP-2021-07-14-10 Date: 02-01-21
roject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
gency	:	Sri.H.V.Onkarappa, No.02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
ustomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
ate of Receipt	:	30-12-20
ample Type	:	Fine Aggregate, M.Sand for Mortar
eference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
ate of test	:	30-12-20
otal weight taken	:	1000 grams

SLno	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

AE-1
A.E.E

AE

CIVIL Pro
Sig.....
Date.....
BANGALORE

Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Lab ID	:	CP-2021-07-14-10 Date: 04-01-21
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
Date of Receipt	:	30-12-20
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2012 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	30-12-20
Total weight taken	:	1000 grams

SLno	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	15	50	5	95	95-100
4	1.18 mm	50	100	10	90	90-100
5	600 micron	100	200	20	80	80-100
6	300 micron	215	415	41.5	58.5	20-65
7	150 micron	500	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

AE-1
A.E.E

CIVIL Pro Sig..... Date..... BANGALORE

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 15/02/2021

ID	:	CP-2021-07-14-10
ct Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
cy	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
mer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
of Receipt	:	10-02-21
mer ID	:	Cement Concrete Pavement
le Type /Size	:	150X150X150 mm
le grade/Age	:	M30 / 7 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
of test	:	15/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	149.78 X 150.33 X 149.03	22516	8.613	572.6	25.4	25.5
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	149.97 X 149.77 X 151.01	22460	8.320	597.5	26.6	
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	149.84 X 150.22 X 151.52	22509	8.975	550.5	24.5	

esults obtained are satisfactory as per standard requirements.

AE-1

A.E.E

AE

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M: 9972924526 | Tel: +91 80 23444801 | e: rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 15/02/2021

ple ID	:	CP-2021-07-14-10
ject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ncy	:	Sri H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
te of Receipt	:	10-02-21
tomer ID	:	Cement Concrete Pavement
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M30 / 7 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
te of test	:	15/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm²)	Average Compressive Strength (N/mm²)
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	151.31 X 149.11 X 149.31	22562	8.613	573.2	25.4	25.4
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	149.69 X 149.44 X 151.11	22369	8.320	590.9	26.4	
Cement Concrete Pavement	M30	08/02/2021	15/02/2021	151.68 X 150.16 X 149.94	22776	8.975	556.3	24.4	

sults obtained are satisfactory as per standard requirements.

AE-1
A.E.E

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M. 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 08/03/2021

ple ID	:	CP-2021-07-14-10
ject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ncy	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
tomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
e of Receipt	:	10-02-21
tomer ID	:	Cement Concrete Pavement
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M30 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
of test	:	08/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	08/02/2021	08/03/2021	150.75 X 150.89 X 150.22	22747	8.612	772.4	34.0	33.3
Cement Concrete Pavement	M30	08/02/2021	08/03/2021	149.98 X 151.57 X 151.92	22732	8.795	748.8	32.9	
Cement Concrete Pavement	M30	08/02/2021	08/03/2021	150.98 X 149.18 X 150.42	22523	8.188	743.9	33.0	

sults obtained are satisfactory as per standard requirements.

AE-1

A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

: 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

GHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 09/03/2021

b ID : CP-2021-07-14-10

ject Name : "Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."

ncy : Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.

tomer's Reference : BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21

e of Receipt : 11-02-21

tomer ID : Cement Concrete Pavement

ple Type /Size : 150X150X150 mm

ple grade/Age : M30 / 28 Days Compressive Strength

rence to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

f test : 09/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	09/02/2021	09/03/2021	149.07 X 149.00 X 151.58	22211	8.612	753.4	33.9	33.3
Cement Concrete Pavement	M30	09/02/2021	09/03/2021	151.31 X 149.31 X 149.67	22592	8.795	728.4	32.2	
Cement Concrete Pavement	M30	09/02/2021	09/03/2021	150.42 X 151.25 X 149.13	22751	8.188	768.2	33.8	

ults obtained are satisfactory as per standard requirements.

AE-1
A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/02/2021

ID	:	CP-2021-07-14-10
ct Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ty	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
ner's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
f Receipt	:	11-02-21
mer ID	:	Cement Concrete Pavement
e Type /Size	:	150X150X150 mm
e grade/Age	:	M30 / 7 Days Compressive Strength
nce to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
f test	:	16/02/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	09/02/2021	16/02/2021	151.94 X 151.32 X 150.67	22991	8.613	583.4	25.4	25.5
Cement Concrete Pavement	M30	09/02/2021	16/02/2021	151.20 X 151.00 X 151.05	22832	8.320	609.3	26.7	
Cement Concrete Pavement	M30	09/02/2021	16/02/2021	150.26 X 149.28 X 150.62	22431	8.975	548.8	24.5	

lts obtained are satisfactory as per standard requirements.

AE-1
A.E.E

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

Page 1/1
****End of Report****

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Date: 10/03/2021

b ID	:	CP-2021-07-14-10
ject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
ency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
stomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
e of Receipt	:	12-02-21
stomer ID	:	Cement Concrete Pavement
ple Type /Size	:	150X150X150 mm
ple grade/Age	:	M30 / 28 Days Compressive Strength
rence to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
e of test	:	10/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	149.73 X 151.91 X 149.37	22746	8.612	753.1	33.1	33.1
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	150.49 X 150.30 X 150.56	22619	8.795	736.9	32.6	
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	150.04 X 149.77 X 150.99	22472	8.188	752.6	33.5	

esults obtained are satisfactory as per standard requirements.

A.E.E

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

****End of Report****

9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL| ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2021

Lab ID	:	CP-2021-07-14-10
Project Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
Agency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
Customer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
Date of Receipt	:	12-02-21
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	17/02/2021

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	10/02/2021	17/02/2021	151.11 X 151.38 X 150.10	22875	8.613	590.0	25.8	25.5
2	Cement Concrete Pavement	M30	10/02/2021	17/02/2021	150.20 X 149.10 X 151.81	22394	8.320	583.7	26.1	
3	Cement Concrete Pavement	M30	10/02/2021	17/02/2021	150.89 X 151.54 X 151.97	22866	8.975	561.1	24.5	

The results obtained are satisfactory as per standard requirements.

AE-I
A.E.E

FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com
HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

CIVIL PRO
AN ISO 9001 : 2008 COMPANY & NABL ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/03/2021

ab ID	:	CP-2021-07-14-10
oject Name	:	"Development and Construction of Auditorium and Toilet at Yelahanka PU Collage in Ward No-01 of Yelahanka Sub Division."
gency	:	Sri.H.V.Onkarappa, No:02, Taralabalu Enclave, Near Police Station, Yelahanka, Bangalore-560064.
stomer's Reference	:	BBMP/EE/YNK.D/EPMT-3/W.O/189/2020-21
te of Receipt	:	12-02-21
stomer ID	:	Cement Concrete Pavement
mple Type /Size	:	150X150X150 mm
mple grade/Age	:	M30 / 28 Days Compressive Strength
ference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
te of test	:	10/03/2021

Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	149.19 X 150.79 X 151.71	22497	8.612	749.2	33.3	33.1
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	151.47 X 149.13 X 149.71	22588	8.795	742.7	32.9	
Cement Concrete Pavement	M30	10/02/2021	10/03/2021	151.18 X 150.90 X 150.52	22814	8.188	753.1	33.0	

results obtained are satisfactory as per standard requirements.

AE-1

A.E.E

AE

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
****End of Report****